IN THE CLAIMS

Kindly amend the claims as follows.

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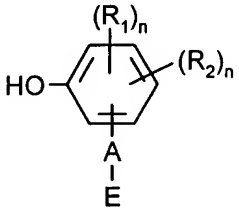
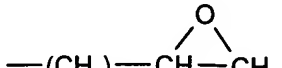
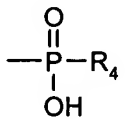
1. **(currently amended):** A process for stabilising and at the same time phase compatibilising ~~plastics or~~ plastic compositions comprising at least two different polymers by incorporating polymeric compounds obtainable by reacting a compound selected from the group consisting of the sterically hindered phenols~~, sterically hindered amines, lactones, sulfides, phosphites, benzotriazoles, benzophenones and 2-(2-hydroxyphenyl)-1,3,5-triazines,~~ which ~~compounds~~ contain at least one reactive group, with a ~~compatibilisator~~compatibiliser compound which is a polymer containing acid groups, acid anhydride groups, ester groups, epoxy groups or alcohol groups or which compatibiliser compound is a copolymer or terpolymer of ethylene, propylene, vinyl acetate or styrene with acrylic acid.

2. **(original):** A process according to claim 1, wherein the sterically hindered phenols are compounds

of formula I  **(I)**, wherein

R_1 and **R_2** are each independently of the other hydrogen, C_1-C_{25}alkyl, phenyl-C_1-C_3alkyl which is unsubstituted or substituted once or several times at the aromatic ring by OH or/and C_1-C_4alkyl, unsubstituted or C_1-C_4alkyl-substituted C_5-C_{12}cycloalkyl, or phenyl;

n is 1, 2 or 3;

E is OH, SH, NHR_3, SO_3H, COOH, -CH=CH_2,  or  ;

m is 0 or 1;

R_3 is hydrogen or C_1-C_9alkyl;

R_4 is C_1-C_{12}alkyl, or phenyl which is unsubstituted or substituted by one or several C_1-C_4alkyl, halogen or/and C_1-C_{18}alkoxy;

A if E is OH, SH or $-CH=CH_2$, is $-C_xH_{2x}-$, $-CH_2-S-CH_2CH_2-$, $-C_qH_{2q}-(CO)-O-C_pH_{2p}-$, $-C_qH_{2q}-(CO)-NH-C_pH_{2p}-$ or $-C_qH_{2q}-(CO)-O-C_pH_{2p}-S-C_qH_{2q}-$;

x is a number from 0 to 8;

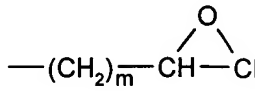
p is a number from 2 to 8;

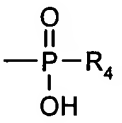
q is a number from 0 to 3;

R_1 and **n** are as defined above; or

A if E is $-NHR_3$, is $-C_xH_{2x}-$ or $-C_qH_{2q}-(CO)-NH-C_pH_{2p}-$, wherein x, p and q have the meanings cited above; or

A if E is COOH or SO_3H, is $-C_xH_{2x}-$, $-CH_2-S-CH_2-$ or $-CH_2-S-CH_2CH_2-$, wherein x has the meaning cited above; or

A if E is  , is a direct bond, $-C_qH_{2q}-(CO)_m-O-CH_2-$ or $-C_xH_{2x}-S-CH_2-$, wherein q, m, x, R_1 and R_2 are as defined above;

A if E is  , is $-CH_2-$.

3-8. **(cancelled).**

9. **(currently amended):** A process according to claim ~~8~~1, wherein the compatibiliser compound is a polymer with acrylic acid (AA) function, glycidyl methacrylate (GMA) function, methacrylic acid (MAA) function, maleic anhydride (MAH) function or vinyl alcohol (VA) function.

10. **(currently amended):** A process according to claim ~~8~~1, wherein the compatibiliser compound is a copolymer ~~consisting of~~which is ~~polyethylene~~ethylene/-acrylic acid ~~(PE-AA)~~, ~~polyethylene~~ ethylene /glycidyl methacrylate ~~(PE-GMA)~~, ~~polyethylene~~ethylene/-methacrylic acid ~~(PE-MAA)~~ or ~~polyethylene~~ethylene/-maleic anhydride ~~(PE-MAH)~~ or a terpolymer of ~~polyethylene~~ethylene and vinyl acetate with acrylic acid or a terpolymer of ~~polyethylene~~ethylene and acrylates with acrylic acid.

11. **(currently amended):** A process according to claim ~~8~~1, wherein the compatibiliser compound is a grafted polyethylene or polypropylene copolymer selected from the group consisting of maleic

anhydride grafted to polyethylene vinyl acetate (MAH-g-PE-vinyl acetate), maleic anhydride grafted to low density polyethylene (MAH-g-LDPE), maleic anhydride grafted to high density polyethylene (MAH-g-HDPE), maleic anhydride grafted to linear low density polyethylene (MAH-g-LLDPE), acrylic acid grafted to polypropylene (AA-g-PP), glycidyl methacrylate grafted to polypropylene (GMA-g-PP), maleic anhydride grafted to polypropylene (MAH-g-PP), maleic anhydride grafted to ethylene/propylene terpolymer (MAH-g-EPDM), maleic anhydride grafted to ethylene/propylene rubber (MAH-g-EPM) and maleic anhydride grafted to polyethylene/polypropylene copolymer (MAH-g-PE/PP).

12. **(currently amended):** A process according to claim ~~8~~1, wherein the compatibiliser compound is a grafted styrene co- or terpolymer selected from the group consisting of styrene/acrylonitrile grafted with maleic anhydride (SAN-g-MAH), styrene/maleic anhydride/methyl methacrylate, styrene/butadiene/styrene block copolymer grafted with maleic anhydride (SBS-g-MAH), styrene/ethylene/propylene/styrene block copolymer grafted with maleic anhydride (SEPS-g-MAH), styrene/ethylene/butadiene/styrene block copolymer grafted with maleic anhydride (SEPS-g-MAH) and acrylic acid/polyethylene/polystyrene terpolymer (AA-PE-PS-terpolymer).

13. **(currently amended):** A process according to claim ~~8~~1, wherein the compatibiliser compound is a vinyl alcohol copolymer.

14. **(cancelled).**

15. **(original):** A process according to claim 1, wherein the polymers to be stabilised are recycled material.

16-17. **(cancelled).**